

ANAMORPHIC CODES

ABSTRACT OF THE DISCLOSURE

The error tolerance of an array of m storage units is increased by using a technique referred to as "dodging." A plurality of k stripes are stored across the array of storage units in which each stripe has $n + r$ elements that correspond to a symmetric code having a minimum Hamming distance $d = r + 1$. Each respective element of a stripe is stored on a different storage unit. An element is selected when a difference between a minimum distance of the donor stripe and a minimum distance of a recipient stripe is greater or equal to 2. The selected element is also stored on a storage unit having no elements of the recipient stripe. A lost element of the recipient stripe is then rebuilt on the selected element.